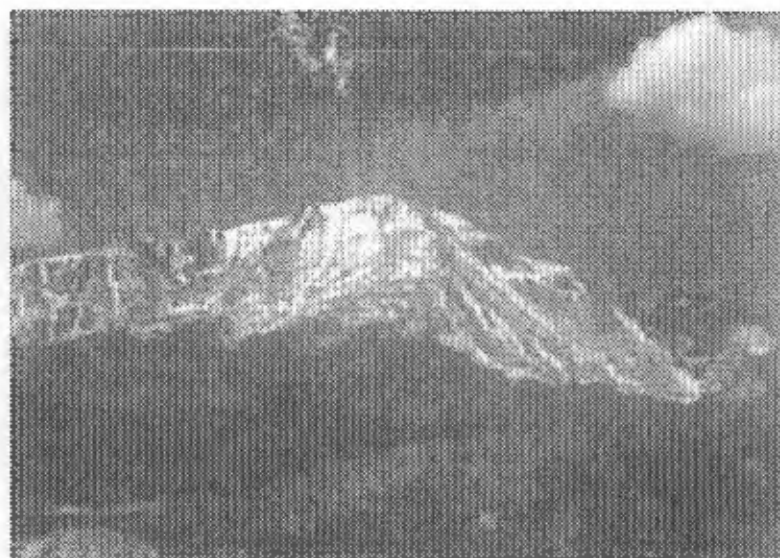




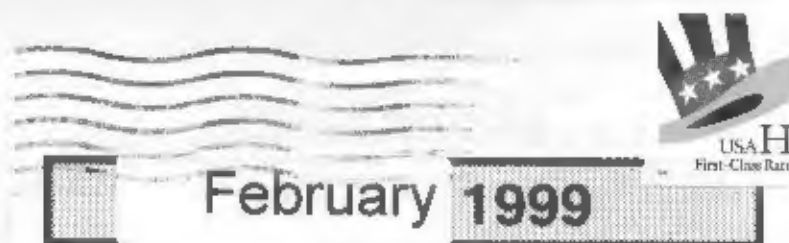
Ø Beat

Pikes Peak Radio Amateur Association, Inc.
P.O. Box 16521
Colorado Springs, Colorado 80935



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February 1999

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Ø Beat

Pikes Peak Radio Amateur Association Officers and Directors

President:	Moe Pierce	WBØRTF	550-0406	wb0rtf@amsat.org
Vice-President:	Mike Anderson	WV7T	475-0906	wv7t@juno.com
Secretary:	Paula Gainer	KCØAGG	391-2567	hobbylady@hotmail.com
*Treasurer:	Rob Roller	N7LV	282-0204	n7lv@amsat.org
Ø Beat Editor:	Jeff Boyes	NØJLH	229-5703	n0jlh@qsl.net
*Past President:	Greg Tarca	WA2OOD	597-7064	gregt@col.hp.com
*Board Member:	Bill Petty	NØNJX	532-1439	william.petty@lsil.com
*Board Member:	Les Borst	KCØNC	634-3995	kc0nc@kktv.com
Board Member:	Roger French	KBØRLF	598-9570	clutch_service@msn.com

*This Officer/Director is completing the second year of the two-year term to which they were elected.

The *Ø Beat* is published monthly in the interest of the members of the Pikes Peak Radio Amateur Association, Inc., PO Box 16521, Colorado Springs, Colorado 80935.

For membership and subscription information see the last page of this publication.

Monthly advertising rates: Full page, \$48; Half page, \$24; Quarter page, \$12; Business card, \$6.
Send your ad requests and payments to: PPRAA, PO Box 16521, Colorado Springs, Colorado 80935.

Check out the PPRAA site on the World Wide Web! Go to: <http://www.qsl.net/ppraa/>

Deadline for submission of articles or advertisements is the Monday following the Board Meeting.

Please send newsletter items directly to the *Ø Beat* Editor:

Phone: 229-5703 / FAX: 683-7360 / Email: n0jlh@qsl.net

Permission is granted to reprint articles provided credit is given to both the author and this publication.

License Exams

License examinations sponsored by the PPRAA are held at 9 AM on the 2nd Saturday of February, April, June, August, October, and December at:
Denver Technical College, 225 South Union, Colorado Springs.

Testing takes place one block east of DTC at the SE corner of Parkside Drive and International Circle. The entrance to the rooms we use are marked DTC.

Everyone is seated on a walk-in basis. Those wishing to take an exam should bring the following items:

- \$6.45 (preferably a check/money order made out to ARRL/VEC) for any exam other than element 1A or 2.
- Picture identification.
- A copy of your current amateur radio license, and/or a copy of any examination credit you have, as well as the signed original. We keep the copies.
- A pen, pencils, and a calculator if you need one.

If you have any questions, call Erik Mugele, KGØXE at 596-5345. Please do not call Denver Technical College.

Committee Chairpersons/Contacts

Activity	Renay Boyes	KAØROY	229-5703
Auditing			
Asset	Mike Stansberry	KØTER	636-1290
Historian	Jody Borst	KAØROZ	634-3995
Interference	Bill Petty	NØNJX	532-1439
Membership	Les Borst	KCØNC	634-3995
Programs			
Publicity	Ron Deutsch	NKØP	593-8352
Public Service	Mike Stansberry	KØTER	636-1290
Swapfest '99	Bob Ryals	KIØGF	
Technical Instruction	Linda Hedges	KBØRKW	528-9238
VE Testing	Erik Mugele	KGØXE	596-5345
Ø Beat Editor	Jeff Boyes	NØJLH	229-5703

Other Organizational Liaisons

ARES Liaison	Mike Stansberry	KØTER	636-1290
CCARC Liaison	Ron Deutsch	NKØP	593-8352
RACES Liaison	Bryan Curl	NØLUF	575-8400

Reminder — General Membership Meeting

The next General Membership Meeting of the Pikes Peak Radio Amateur Association will be on the second Wednesday of this month at Mt. Calvary Lutheran Church, 1318 N. Circle Drive Blvd. The meeting will start at 7 PM.

**General Membership Meeting Minutes
January 13, 1999
Paula Gainer, KCØAGG, Secretary**

Moe WBØRTF opened the meeting at 7:05pm. Introductions were given. Paula KCØAGG said that in her almost two years of being a ham radio operator she has enjoyed it. Noticed that the PPRAA doesn't have an official door prize ticket tumbler. Paula donated a tumbler to the PPRAA. Aaron KD6FLM has confirmation for another East Library Exhibit Open House on October 2, 1999. He needs volunteers and ideas to help with this event. Either call or e-mail him.

Ø Beat minutes were motioned by Les KCØNC, second by Greg WA2OOD and passed at printed.

Treasurer's Report; Rob N7LV said last month was pretty quite. The Christmas was pretty good. We spent about \$140.00 on it. Also \$325 for liability insurance, \$20.00 on PO box renewal. Over all balance \$4118.40. Total income for last year was \$6682.72 and expenses \$6404.46. Net \$278.00. Paula KCØAGG motioned to accept the report. Al NØCMW second, motion passed.

Committee Reports:

Jeff NØILH resigned as program chairperson. We need a volunteer for this position. It's not a lot of work. February's program: Frank McNally will speak about classes.

Public Service/Assets; Mike KØTER had no report

Membership; Les KCØNC if corrections are needed to the roster printed in the Ø-Beat, contact Les.

Activities; Renay KAØROY needs ideas of what the club would like to do throughout the upcoming year. Please give her suggestions. Not only club related but activities with family members/spouses.

Interference; Bill NØNJX helped Mike KØTER locate interference coming from a neighbor's computer. The switching power supply was generating noise on HF every 40 kHz. The

interference problem was fixed by using an external filter to the neighbor's computer.

CCARC; Ron NKØP said a meeting was held in the fall. They plan to have one again in the spring and will inform all of the time and place.

Technical Instruction: Linda KBØRKW, The PPRAA held the first ham class last night with Frank KFØWF being the instructor. Thirty new students showed up. Hopefully they'll all be new hams at the end of classes. Fifteen PPRAA members attended to show their support. Classes are held at the Office of Emergency Management 305 S. Union Blvd. Tuesday/Thursday evenings at 7:00pm.

VE Testing; Rick KØSU, The next test session will be Saturday February 13, 1999. New location: 3245 International Drive, about 1 block E. of the old location.

Swapfest; Bob KIØGF the swapfest prizes have arrived and they are Alinco DX-70T 160-6M Transceiver, Alinco DJ-C5T, and a crisp new \$100.00 bill. He invited all to attend the meetings held on the second Saturday of every month at the Falcon Police Sub-Station. They plan to make a site survey on January 19 for Lewis Palmer, our new hamfest location.

Historian; Jody KAØROZ had no report at this time.

Publicity; Ron NKØP reminded members to join us on the club's informational simplex net every Thursday night at 7:00pm, on 146.58. Need volunteers for net control.

Old Business; Dan KBØPPM handed out certificates, mugs and passes for those people that helped with JOTA.

New Business; Dan KBØPPM wants to start getting volunteers together to work on next year's JOTA plans. It will be the third weekend in October. Rick KØSU reminded members the WAS challenge still stands for anyone who wanting to Work All States this year. Rob N7LV reminded members if you have

Pikes Peak Radio Amateur Association

topics for the Elmer Nets to contact Ginger NØUOD or Roger KBØRLF.

Hammy: John NØQJS awarded the January hammy to Mike WV7T, for his wonderful singing ability at the Christmas Party.

Hammy of The Year Award: Dave NØUVR was awarded HOTY for 1998, for his hard work with foxhunts and other things. The next foxhunt will be January 24.

The next board meeting will be at the QTH of Greg WA2OOD.

Program: We had eleven entries in the home-brew contest. It was divided into two categories, professional and non-professional. Winners would receive \$15.00 cash. Contestants Steve NØMHQ, Mike WV7T, Dave NØUVR, Bob KBØYGD, Bill NØNJX, Ron NKØP, Austin W6RML, Mike KØTER, Rick KØSU, Jake NØCYR, and Greg WA2OOD. Non-professional level winner is Steve NØMHQ entering a SW Plus 40 kit, his first kit ever. Professional level winner is Austin W6RML entering a 6-meter receiver.

Greg WA2OOD motioned to adjourn, Bill KDØJU seconds, the meeting ended at 9:07pm local.

Submitted by Paula Gainer KCØAGG Secretary

When you buy from a Ø Beat advertiser, let them know where you saw their ad!

Upcoming Swapfest

Aurora Repeater Association Swapfest, Sunday, February 14, 0800 - 1400, at the Adams County Fairgrounds. Talk-in on 147.15+ and 146.52. Admission: \$3. Tables \$12 in advance, \$15 at the door. Contact Wayne Heimen, NØPOH, 303-699-6335, nrclog@aol.com.

Board Meeting Minutes

January 18, 1999

Paula Gainer, KCØAGG, Secretary

Attending members were Moe WBØRTF, Mike WV7T, Paula KCØAGG, Rob N7LV, Roger KBØRLF, Bill NØNJX, and Greg WA2OOD. Guests were Aaron KD6FLM, and Bill KDØJU.

Moe opened the meeting at 7:05pm. Greg WA2OOD offered his home for board meetings indefinitely, or as long as no one else volunteered.

Rob N7LV motioned to reimburse Aaron \$16.25 for photos taken at the Library Exhibit and the October meeting. Roger KBØRLF second and the motion passed. Rob read a list of his New Year's resolutions for the club, with hopes of improving things like more personal contacts with members, communications with other groups, and increasing our membership. The 501-(c)(3) application is now complete, and is being reviewed.

Mike WV7T created a packet DXing board as one of many proposed informative demonstrations about various parts of ham radio. He also has an idea for a certificate program called Worked All Club Members (WACM). He also hopes to get a photojournalist to cover the first Mall Exhibit.

Roger KBØRLF would like to encourage more volunteers to help with the Elmer nets. If you have an interesting topic to share, contact him.

Aaron KD6FLM is exploring the possibility of setting up a ham radio display at the 4th of July celebration, which takes place on the 3rd of July at Briargate. He will coordinate getting volunteers to help start setting up displays. The Pikes Peak Hill Climb will be on July 4th.

Paula KCØAGG will again attempt to change the church's name on the ARRL form.

Greg WA2OOD motioned to adjourn. Bill NØNJX seconds and the meeting ended at 8:44pm local.

Submitted by Paula Gainer KCØAGG Secretary

Swapfest Committee Meeting - Jan 9, 1999 Bob Ryals, KIØGF

1. Meeting Location The swapfest committee meeting was held at the Falcon Division Community Room, Falcon Police Station, 7850 Goddard Street, Colorado Springs at 0900. Next meeting is scheduled for the 2d Saturday of February.

2. Swapfest location and time. We have settled on Lewis-Palmer High School in Monument as our swapfest location for 1999. The swapfest is scheduled for 1 May from 0800 to 1400. The location offers plenty of parking, a large gym and is easy to find. It will also include the use of three classrooms for CW testing, written testing and programs. Ken Emory, the athletic director is our POC at 488-4732. Phil Pearsall will check on overnight RV parking availability.

3. We are planning a site survey to Lewis Palmer on 19 Jan at 1630. Please join us at the school. Items of interest: Where would we put antennas and live stations, PA systems availability, classrooms, floor materials, parking etc.

4. Prizes The prizes have arrived. They are: Alinco DX-70T 160-6M Transceiver Alinco DJ-C5T A crisp new \$100 bill (Year 2000 Compliant) \$100 for door prizes.

Subcommittees, leads and actions:

- a. Prizes - Bob Ryals. Prizes have arrived.
- b. Raffle - Rob Roller. We expect to receive the raffle license shortly and will then begin raffle tickets.
- c. Table sales - Dennis Major and Carlos Caro. Tables this year will be \$12 for the first table, which will include one admission. Additional tables are \$10. Additional table workers are \$4 each. Admission is free for those 16 years of age or younger. In addition, handicapped hams who bring an assistant will only have to pay for themselves. We need 110 tables and 200 chairs. We are finalizing the vendor now and are determining if there is any additional charge for going to Monument.
- d. Advertising and publicity - Phil Pearsall, Bill Pierce. They will provide the first set of flyers next month to hand out at hamfests. As we are ready to put more

information on our fliers, we will print new improved fliers.

e. Programs - John Herring. He has prepared a draft agenda of programs and is looking for your feedback and assistance in giving the classes. If you would like to teach these 30-60 minute classes call him. John will also draft verbiage for large signs to use for advertising and direction to classes. He following is the list of tentative classes: 1. QRP 2. Amateur Satellite Operations 3. Antenna Building 4. Hamshack fundamentals to include safety 5. Contesting, QSLs, and operating basics

f. Food vendors - Rob Roller is investigating using Mike's Barbeque again. They did a good job last year.

g. VE testing - Erik Mugele.

h. Swapfest operations - Bob Ryals and John Roth.

i. ARRL sanctioning - Ron Deutsch will contact ARRL for their sanctioning approval as well as contacting other clubs to advertise our swapfest.

j. ARRL products. Carlos is checking on obtaining ARRL products for sale at our boutique (pronounced Boo-Teek) table.

k. Raffle tickets will sell at \$1 each, 6/\$5, 15/\$10 and 40/\$20. We will sell advance admission tickets in order to relieve congestion at the door.

l. Club show board - Mike Anderson. This project is on track and will be our general adverting board at the swapfest and other appropriate occasions.

6. Order of near term events: Contract for room with Lewis-Palmer HS, obtain raffle license, contract to print tickets, obtain prizes, finalize ticket prices, compile all information and print tickets.

Please call me at home at 265-9950 or email me at rryals@pcisys.net for corrections or additions.

John Max, President
Colorado Springs Wintronic Co.
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Pikes Peak Radio Amateur Association

VP's Soapbox Mike Anderson, WV7T

HOW WE TREAT OTHERS...WHO CARES?

In 28 years as a ham operator I have been a part of many clubs, visited hams around the world, and operated far away from home. I've heard hams speaking insensitively of other hams, about license classes not being equal, hams being so busy in 'clicks' that new comers felt left out they never returned to the club being visited. Over time ham radio has lost many fine members to isolation. Ham stations sold, friendships lost. Heated arguments that should have been settled outside the club were pursued in a club meeting and created such a negative image it took months to repair. How long will hams continue to spend time picking on each other, get out of their own way and behave the way hams should? Do we not have enough challenges from outside Amateur Radio to concern ourselves? Does anyone remember the partial take over of 220 mHz? New hams need Elmers to be there for them, people who will take time out of their lives to guide them into the discovery of Amateur Radio. At meetings we need to greet everyone especially newcomers make them feel at home and a part of the group. Let your talents and insights in our hobby shine through and enrich the life of another. Wear your name badge so new people will recognize you. Be that ham at the meeting door as a greeter, be the ham on the other end of the phone with a kind word and sympathetic ear, be that ham who the new ham looks to for guidance, be that ham at the table with a new ham and introduce yourself. Each of us should be the ham that sets the standard for those who follow us.

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All brands of new, used, and consignments.

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President's Corner Moe Pierce, WBØRTF

Here it is almost the end of January already. It was great to see so many there at our January meeting. The homebrew night was also a success.

We have a lot going on in the months ahead. The next two programs for February and March are good ones, and I hope we have as many there as we had in January. It would be nice for the snow to stay away on meeting nights. I guess I don't have any more words of wisdom so will look forward to seeing you on the air as well as at the meetings.



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Joe, KDØGA Dean, ACØS
John, N5EHP John, KFØPQ

PPRAA Member Update Rosie Callaway, WAØMNL

PPRAA member Bob Nyman, NØRNQ, has a brain tumor and is receiving radiation. Bob is active in our club and can always be counted on to volunteer his help. I talked to Linda, NØTUP and asked her how we could help. She told me that volunteers are doing transportation for Bob. Probably by the time you read this, the slots will be filled, but feel free to contact us if you have a query. Our email address is russrosie@kktv.com, or phone 471 9965. I suggest that we send him a card or phone him. His mailing address is:

Bob Nyman, NØRNQ, 4409 Barkman Circle,
Colo.Springs, Co 80916. Phone: 574 5161

Hurricane Georges, DR755 Warren Hickey, WØYNE

As many of you know, Puerto Rico was severely impacted by Hurricane Georges in September. The storm lingered for over a day, doing severe damage to the Western end of the Island. To give you a frame of reference, Puerto Rico is approximately 100 miles long and 30 miles wide. It is located east of the Dominican Republic at 19 N and 67 W. It is 463 miles directly north of Caracas, Venezuela. It has been inhabited since 3000 B.C. Puerto Rico currently has 3.7M people which is a population density of 1000 people/sq. mile.

I signed up with the Red Cross National Disaster Services Human Resources (DSHR) Team earlier this year. I completed formal training in CPR, First Aid, Disaster Welfare Inquire, Damage Assessment, Mass Care and Supervision in Disasters prior to being qualified for assignment to a disaster. Since I was already an amateur radio operator, I skipped the communications courses. The Red Cross numbers all disasters. Hurricane Georges is number DR755.

I received a call from the Red Cross Disaster Services Director to support DR755 in the role of a Mass Care worker. "Not knowing exactly what I would be doing I accepted." My instructions were simple, "Report to the Mickey Cole Bldg. on Barbosa Ave in San Juan, Puerto Rico". I was given some travel funds, a flight schedule and a letter telling me what I should bring which include wash and wear clothing for a hot climate. A check of the Weather Channel on the Internet gave me the local weather in San Juan. Armed with this information, a small suitcase containing short pants, short sleeve shirts and my toilet kit, I began my adventure. At the airport, I received a one way ticket to San Juan via Dallas, Texas. Arriving in San Juan, I was met by Bob, a Red Cross driver who turned out to be a New York City fireman. Since it was late, he took me to the hotel where I would be staying. It turned out to be a Broadmoor class hotel. I thought they had made a mistake, little did I know. This turned out to be very temporary location.

The next day I reported in for my assignment. I was being assigned with three others to a Distribution

Center on the Western end of the Island outside the city of Mayaguez. At the "In-briefing", the ARC trainer gave us some facts about the disaster operation. The Island had been divided into four regions; North, South, East and West. The highest point on the island is 4,389 ft. Each region had a Red Cross headquarters. Here are some stats: The Red Cross had already spent \$43.7M on this relief effort. They had fed over 436,000 meals and made some 37,000 home visits. They did all this with about 1,700 people. These are mostly volunteers and included local Red Cross volunteers. We were briefed on the Dengue Fever that is carried by the mosquito and given a map, large can of OFF, disinfectant lotion and a bottle of water. And so we left with map in hand for Mayaguez.

Just before leaving, I ventured into the Communications Area of the Headquarters. Most of the people there were Hams. They gave me a sketch of the operation after I said that I would probably be a backup to the site communicator. They brought in with them four repeaters, 24 base station and 800 Yaesu, 70 cm., handheld radios (Commercial versions of the VX-1R). The systems had been programmed in the field and installed by the local amateurs. Although Puerto Rico has a large number of repeaters listed in the repeater guide only one or two were operational. I was given a 147 mHz frequency for San Juan, which I only heard until we were about 15 miles outside the city.

It took up almost an hour to find our way out of town. The Puerto Rican people do not believe in street signs, directional signals or red lights. We followed the "Parrot Road Signs" which marked the highway to Mayaguez. We finally found the site after dark and were directed back to Ricon where we would be staying. "From the Broadmoor to the Motel 4.5." We stayed in the Villa Antonio by the sea. Now I new why they said this was a hardship assignment. Most of the motel complex was occupied by Red Cross, Corps of Engineers or FEMA personnel. "Don't drink the water" was the word of the day.

The next day we had breakfast at McDonalds, "McCrillo's con huevos". That is an "Egg McMuffin on soft roll". Arriving on site, we were assigned to the Mass Distribution Center. My job was to direct each of the clients to Family Service, Distribution or

Pikes Peak Radio Amateur Association

Registration depending on what the paperwork they had from the Red Cross Outreach Teams. My Spanish, which I learned in Spain about 37 years ago, got better with each family I spoke with. If I did not fully understand them, I would send them to my co-worker at the entrance to the distribution area who spoke fluent (Mexican) Spanish. On the third day, the communicator on site was reassigned and I took over his duties doing the morning & night radio checks. We had three simplex nets on site and access (very poor) to the Western repeater. The repeater was used to communicate with the headquarters and pass supply orders and staffing requests. To use the repeater it was necessary to walk around outside the building to find a hot spot. The packet equipment we were supposed to get never arrived. This would have been a classic use for packet. The other communications were cell phones. These also had to be used outside the building. The first three days there, we had no water and no commercial power, we used a generator during the day and flashlights after six at night. It rained almost an inch every day (in less than an hour) and just prior to the rain, we would have wind with gusts to 25 knots, which would normally blow down our tarps and everything would get wet. Note: The average rainfall is about 60 inches a year.

Some more stats: Our center saw an average of 400 + families a day. We issued over 1,000 cleaning kits, 20,000 pillows, 18,000 air mattresses, 35,000 sheets and 16,000 propane stoves each with two bottles of propane. The average family is 8. I did meet a husband and wife that claimed they had 24 children.

At the end of my two weeks, I returned to San Juan and after a debriefing I returned home. I met lots of neat people on the site, both Puerto Ricans, Canadians, Brits and Americans. As a team, we worked hard and long hours with only one day off in two weeks. The people we helped often came back on their way out of the site to say "Thanks".

Note: Reprint of this is not authorized without author's permission.

January Foxhunt Report Austin Cleis, W6RML

The Foxhunt was held on Sunday afternoon, Jan. 24th, 1999. It started at 2 p.m.

Three official hounds left the parking lot of the Radio Shack at Garden of the Gods and Academy shortly after 2 p.m. There were actually 4 hunters, and a new participant Jerry Allen, N5GVP rode with Dave, NØUVR for part of the hunt and then got into his car to finish the hunt.

The Hounds were Les KCØNC, Dave NØUVR, and Doug WBØMHP.

The hounds arrived at the Falcon High School parking lot in the following order.

Doug with 33.8 miles.

Dave with 43.8 miles.

Les with 45.0 miles.

The hunt ran until 5:30 p.m. The reason it took so long was the fox had a three-element beam (horizontally polarized) pointed at Pikes Peak.

As it turned out, when the reflected signal from the peak was received, it was, vertically polarized due to the scattering effect of the mountains irregular surface. In fact, the three stations could not receive the signal from the fox until they were within 5 miles of the fox using a vertical antenna. The reflected signal from the mountain was 30 db stronger.

Well, anyway, after some of the foxes checked out the foothills as far south as Gold Camp Road, they realized the signal was coming from the East and north of Colorado Springs.

All had a good time hunting and the new member Jerry Allen N5GVP even volunteered to be the fox in the near future.

I am looking forward to the next hunt when the fox will be Doug, WBØMHP.

Dits And Bits

Wanted:

Heathkit "Sixer" in good physical condition. Also, original microphone for my "Twoer."
Rick Brown, K0SU, 531-9423 before 9 PM or e-mail k0su@kktv.com

For Sale:

Collins KWM2	\$500.00
Collins 30L1 Amp.	\$500.00
Or buy both for	\$900.00
Yaesu FT-11 2Mtr with 4.5v battery, Mike, Wall	
Charger, Mobile Charger for 5 Watt	\$175.00
George, WBØDUM	

For Sale:

Radio Shack HTX-202 with NiCad Battery Pack, AA Battery Pack, and AC and DC Power cords \$125.00
IC-ZIA Dual Band HT with detachable face remote mic, 2 batteries, and AC Power Charger \$225.00
Garmin 45XL GPS \$200.00
Will talk about any offers.
Rick, KBØSWR
work - 590-2184
home - 495-2169
e-mail - rickd@col.hp.com

For Sale:

Like New Vectronics 2Kw antenna tuner. High current roller inductor with turns counter, SSB bargraph analyzer, Cross needle SWR/Power meter, 6 position antenna switch, and built in balun. \$300.00
KØRI, Larry Lewis, 495-4899

Drake TR7 Transceiver

Drake PS 7 Power supply with desk microphone and hand mic- and manuals \$650.00 or best offer
Heathkit Linear amplifier SB 220 with kit assembly manual \$450.00 or best offer
Drake 700 OE-Communication terminal. Rx/Tx morse code, RTTY, and ASCII. With manual. \$200.00 or best offer.
BK-10 MHZ, Triggered sweep dual trace oscilloscope w/manual \$175.00 or best offer.

Elmer Schladwein WAØWJY Phone 471-7328

Treasurer's Report

For Period Ending January 31, 1999

Rob Roller, N7LV

Income - Expenses = Gain / (Loss)

\$10.00 - \$485.00 = (\$465.00)

For more details, please contact me.

Our big expense at the end of the year is the renewal of our club's liability insurance policy through the ARRL Affiliated Club program. Our raffle license has been received in early February (99-1065) and the order for raffle tickets has been placed. Once we get the tickets we're ready to sell. The next event we can do this is at the Aurora Swapfest on February 14.

Education Happenings

Linda Hedges, KBØRKW

The new ham classes have now started at the new location: the Office of Emergency Management, 305 N. Union in Colorado Springs. The turnout, for both students and hams alike, has been tremendous! There are 30 students taking the Novice class. This year there are no Morse code classes. The class will conclude on Feb 11th with a special VE Test session, as usual. (Listen to the nets for the time and location.) Yes, I will be back on the air making these announcements, thanks to the help of some local hams who went above and beyond the call of duty. Thanks go out to NØTDS-Al in Falcon, AAØSP-Mike in Falcon, and KGØSS-Ray in Colorado Springs for their time and effort to get me back on the air. As I heard AAØSP say (on my scanner) this is what hamming is all about - helping others! A big THANKS goes to all the hams that showed up to the classes - keep on coming out guys and gals! There were 15 licensed hams in attendance the first night - keep up the good work! We need you there to show these prospective new hams that the "oldies" support what they are trying to accomplish and that they will have some new friends here in the Springs, the State of Colorado and a ham club to attend and find out more about ham radio.

As always, you can reach me at kbØrkw@juno.com

Pikes Peak Radio Amateur Association



LUNCH BUNCH

Join the Lunch Bunch at the Hometown Buffet in Shops of the Bluffs on at Austin Bluffs and Academy. We meet at noon. The next date is February, the 11th. We always have a good time! 73,
Ginger NØUOD

SKYWARN Training Scheduled Doug Paris, N4TGO

SKYWARN Training for ARES District 14 has been scheduled for March 27, 1999. To attend this session, please contact me via email (n4tgo@sprynet.com) or packet (n4tgo@n0wpa) to reserve a seat.

Nets Heard in Colorado Springs

PPRAA Simplex	146.58	Thursday	7:00 PM
CO High Noon	7240	Daily	12 Noon
CO Columbine	3989	Daily	7:00 PM
Southern CO Traffic	146.97-	Daily	8:00 PM
State ARES HF	3928	Sundays	8:00 AM
State ARES VHF	145.13-	Sundays	8:30 AM
Colo Repeater Assn	145.16-	Sundays	9:00 AM
State RACES	3990.5	Sundays	6:00 PM
El Paso RACES	3990.5	Sundays	follows
El Paso HF Rndtable	28.385	Sundays	follows
PPFMA	146.97-	Sundays	8:30 PM
State ARES 2M SSB	144.22	Mondays	7:00 PM
Elmer Net	146.97-	Mondays	7:30 PM
PPARES	146.97-	Tuesdays	7:00 PM
EPC RACES	147.345+	Tuesdays	7:30 PM
MARA	147.48	Tuesdays	8:30 PM
Park County Club	146.82-	Tuesdays	8:30 PM
ARES Dist 24	145.16-	Thursdays	8:00 PM
CMRG Info	147.345+	Thursdays	9:00 PM

Membership Application - Pikes Peak Radio Amateur Association, Inc.

P.O. Box 16521, Colorado Springs, Colorado 80935

Date: _____ ☐ New Membership ☐ Renewal

Name _____

Address _____

City _____ State _____ Zip _____

Call _____ License Class _____ Telephone _____

Email address: _____

Are you an ARRL member? ☐ Yes ☐ No

One year membership rates, starting the month you receive your first issue:

- | | |
|--|---|
| ☐ Full Member - \$15.00 | ☐ Family Membership (same address) - \$18.00 |
| ☐ Full Member over 65 - \$10.00 | ☐ Family Membership (both over 65) - \$12.00 |
| ☐ Associate Member - \$12.00 | ☐ Newsletter only \$12.00 |

Additional Name: _____ Call _____ Class _____

Additional Name: _____ Call _____ Class _____

Please check activities for which you would volunteer:

- ☐ Field Day or similar activity
☐ Radio demonstrations
☐ On-Air Nets/Roundtables
☐ Teach potential hams about ham radio

Your Interests

- | | |
|-----------------------------------|------------------------------------|
| ☐ HF | ☐ VHF/UHF |
| ☐ FM | ☐ SSB |
| ☐ Digital | ☐ DX |
| ☐ Contests | ☐ Technical |
| ☐ Hardware | ☐ _____ |
| ☐ _____ | ☐ _____ |
| ☐ _____ | ☐ _____ |
| ☐ _____ | ☐ _____ |
| ☐ _____ | ☐ _____ |
| ☐ _____ | ☐ _____ |
| ☐ _____ | ☐ _____ |

Please Note: You must submit a completed application form along with your check to the Treasurer for both new members as well as renewals. Thank you.

PLEASE TYPE OR PRINT CLEARLY!